

Theia

Theia is located at NESCC in Fairmont, West Virginia. Theia is a Cray CS400 cluster with 1012 compute nodes with Intel Haswell processors. It has QDR InfiniBand interconnect and Panasas filesystem.

	Theia	Selene
CPU Type	Intel Haswell	Intel Haswell
CPU Speed	2.60 GHz	2.60 GHz
Cores/node	24	24
Total Cores	24288	528
Memory/Core	2.67 GB	2.67 GB
Memory/Node	64 GB	64 GB
Peak Flops/node	998 GFlops	998 GFlops
Total Service Nodes	10	1
Service Node Memory	256 GB	256 GB
Total BigMem Nodes	14	1
BigMem Node Memory	256 GB	256 GB
Total Flops	1010 TF	22 TF

Notes:

- Total flops is a measure of peak, and doesn't necessarily represent actual performance.
- Selene is the Test and Development System. Users must be granted specific access to the system for use.

File Systems

name	type	size	Bandwidth
scratch3	Panasas	5.5 PB	> 50 GB/s
scratch4	Panasas	5.5 PB	> 50 GB/s

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